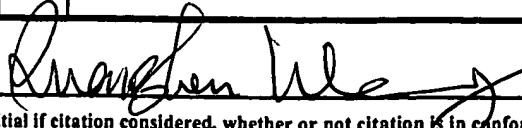


<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>  <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> <b>U.S. PATENT &amp; TRADEMARK OFFICE</b>  <b>JUN 07 2004</b> </div>				Docket Number (Optional) <b>BerganoC3</b>		Application Number <b>10/689,484</b>		
				Applicant(s) <b>Bergano</b>				
				Filing Date <b>10/20/2003</b>		Group Art Unit		
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
QZW		4,190,802	02/26/1980	Levine	325	320		
		4,829,598	05/09/1989	Auracher et al	455	619		
		5,050,176	09/17/1991	Naito et al	372	26		
		5,115,332	05/19/1992	Naito et al	359	189		
		5,228,043	07/13/1993	Naito et al	372	32		
		5,319,438	06/07/1994	Kiasaleh	356	345		
		5,463,461	10/31/1995	Horiuchi et al	356	349		
		5,543,952	08/06/1996	Yonenaga et al	359	181		
		6,396,605	05/28/2002	Heflinger et al	359	154		
		6,559,996	05/06/2003	Miyamoto et al	359	181		
✓		2003/0002121	01/02/2003	Miyamoto et al	359	183	06/26/2002	
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
QZW		Atia et al; "Demonstration of Return-to-Zero Signaling in Both OOK and DPSK Formats to Improve Receiver Sensitivity in an Optically Preamplified Receiver"; 1999; IEEE, pp. 226-227.						
↓		Abbas et al; "Local-Oscillator Excess-Noise Suppression for Homodyne and Heterodyne Detection"; Aug. 1983; Optics Letters, Vol. 8, No. 8; pp. 419-421.						
EXAMINER				DATE CONSIDERED				
				<b>5/1/2006</b>				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>	<b>Docket Number (Optional)</b> <b>BerganoC3</b>	<b>Application Number</b> <b>10/689,484</b>
	<b>Applicant(s)</b> <b>Bergano</b>	
	<b>Filing Date</b> <b>10/20/2003</b>	<b>Group Art Unit</b>

**U.S. PATENT DOCUMENTS**

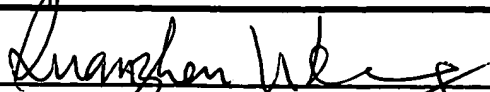
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q2W		2003/0007216	01/09/2003	Chraplyvy et al	359	161	11/21/2001
		2003/0007231	01/09/2003	Winzer	359	245	04/26/2002
		2003/0090768	05/15/2003	Liu et al	359	183	11/21/2001
V		2003/0210912	11/13/2003	Leuthold et al	398	188	05/13/2002

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	Yonenaga et al; "Reduction of Four-Wave Mixing Induced Penalty in Unequally Spaced WDM Transmission System by Using Optical DPSK" Nov. 7, 1996; Electronics Letters; Vol. 32, No. 23.
	Swanson et al; "High Sensitivity Optically Preamplified Direct Detection DPSK Receiver with Active Delay-Line Stabilization"; Feb. 1994; IEEE Photonics Technology Letters, Vol. 6, No. 2, pp. 263-265.

<b>EXAMINER</b> 	<b>DATE CONSIDERED</b> 5/1/2006
--	------------------------------------

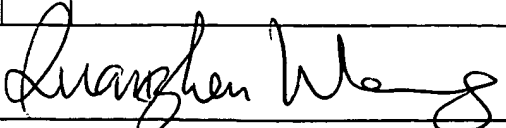
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional)		Application Number	
		BerganoC3		10/689,484	
		Applicant(s)			
		Bergano			
		Filing Date		Group Art Unit	
		10/20/2003			

*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
Q2W	Yonenaga et al; "Dispersion Compensation for Homodyne Detection Systems Using a 10-Gb/s Optical PSK-VSB Signal"; Aug. 1995; IEEE Photonics Technology Letters, Vol. 7, No. 8, pp. 929-931.
	Abbas et al; "A Dual-Detector Optical Heterodyne Receiver for Local Oscillator Noise Suppression"; Oct. 1985; Journal of Lightwave Technology; Vol. LT-3, No. 5; pp. 1110-1122.
	Koyama et al; "Frequency Chirping in External Modulators"; Jan. 1988; Journal of Lightwave Technology; Vol. 6, No. 1; pp. 87-93.
	Park et al; "Crosstalk in a Two-Channel Coherent Fiber Optic ASK System Using an Optical Amplifier and Non-Negligible Linewidth Lasers"; Jan. 1988; Optical Fiber Communications Conference; pp. PD19-1 - PD19-5.
	Gordon et al; "Phase Noise in Photonic Communications Systems Using Linear Amplifiers"; Dec. 1990, Optics Letters; Vol. 15, No. 23; pp. 1351-1353.
	Gordon et al; "Effects of Fiber Nonlinearities and Amplifier Spacing on Ultra-Long Distance Transmission"; Feb. 1991; Journal of Lightwave Technology, Vol. 9, No. 2; pp. 170-173.
	Linke et al; "High-Capacity Coherent Lightwave Systems"; Nov. 1988; Journal of Lightwave Technology; Vol. 6, No. 11; pp. 1750-1769.
	Jacobsen et al; "Theory for Optical Heterodyne DPSK Receivers with Post-Detection Filtering"; April 1987; Journal of Lightwave Technology; Vol. LT-5, No. 4; pp. 478-484.
	Elec. Let. October 22, 1987; Vol. 23, No. 22, pp. 1180-1181
	OFC 1997 Technical Digest; pp. 331-332
	Swanson et al; "Optically Preamplified 3 Gb/s DPSK Receiver with 80 Photons/bit Sensitivity"; OFC 1993; pp. 119-122.
V	R.S. Vodhanel; "5 Gbit/s Direct Optical DPSK Modulation of a 1530-nm DFB Laser"; August 1989; "IEEE Photonics Technology Letters, Vol. 1, No. 8; pp. 218-220.

EXAMINER	DATE CONSIDERED
	5/11/2006

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



10/20/2003

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	Docket Number (Optional) <b>TCM137CON2</b>	Application Number <b>10/689484</b>
	Applicant(s) <b>Neal S. Bergano</b>	
	Filing Date <b>10/20/2003</b>	Group Art Unit

U.S. PATENT DOCUMENTS

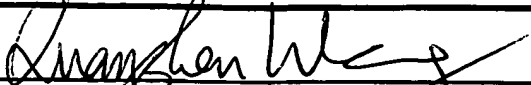
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q2W		5,373,382	12/13/1994	Pirio et al	359	161	
		5,473,458	12/05/1995	Mamyshev et al	359	161	
		5,526,162	06/11/1996	Bergano	359	181	
V		5,946,119	08/31/1999	Bergano et al	359	124	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Bergano et al; "100Gb/s WDM Transmission of Twenty 5 Gb/s NRZ Data Channels Over Transoceanic Distances Using a Gain Flattened Amplifier Chain"; European Conference on Optical Communication (ECOC'95), Paper Th. A.3.1., Brussels, Belgium, Sept. 17-21, 1995.
		Bergano and Davidson; IEEE Journal of Lightwave Technology, Vol. 14, No. 6, p. 1299; June 1996

EXAMINER 	DATE CONSIDERED <b>5/1/2006</b>
---	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Docket Number (Optional)  
**TCM137CON2**

Application Number  
**10/689484**

Applicant(s)  
**Neal S. Bergano**

Filing Date  
**10/20/2003**

Group Art Unit

\*EXAMINER  
INITIAL

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

Bergano et al; IEEE Phot. Tech. Lett., Vol. 5, No. 3; March 1993

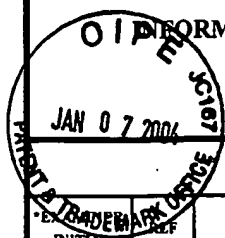
EXAMINER

*Luamlen Weg*

DATE CONSIDERED

*5/1/2006*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Docket Number (Optional)

**BerganoC3**

Application Number

**10/689,484**

Applicant(s)

**Bergano**

Filing Date

**10/20/2003**

Group Art Unit

**U.S. PATENT DOCUMENTS**

EX-101 INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q2W		5,477,375	12/19/1995	Korotky et al	359	264	
↓		6,407,842	06/18/2002	Ma	359	173	
↓		6,556,326	04/29/2003	Bergano	359	181	

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

**5/1/2006**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.